Systems of Systems Considerations in NCO

NDIA Net Centric Operations, Interoperability and Systems Integration Conference

Aaron Budgor

BAE SYSTEMS

23 March 2005
Technology Breakthroughs Needed

• Dynamic Information Management
• Dynamic Policy Management
• Dynamic Context Management
• Dynamic Trust Management
• Dynamic Resource Management
• Dynamic Reconfigurability

Dynamically Recruited Services

Core Services

Dynamic Information Management
Dynamic Policy/Workflow Management
Dynamic Context Management
Dynamic Resource Management
Dynamic Trust Management
Dynamic Reconfigurability Management

Decisions Actions Doctrine

Uses/ Depends on

Data/Feedback
**NCO CONOPS – How Might this Work?**

- **Optimize sensors and platforms to dynamically address observation tasks.**
- **Broker observations across peer groups of sensors and platforms.**
- **Enable users to dynamically form around knowledge production, leveraging shared expertise.**
- **Convert observations into actionable, responsive knowledge.**

**Knowledge Lifecycle**

**Collaborating Communities**

**Management Services**

**Sensor and Platform Webs**